

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1-4. (canceled).

5. (currently amended): A broadband line driver comprising:
 - an amplifying device with an input and an output;
 - a transforming device coupled in series with the output of the amplifying device;
 - a first input terminal and a second input terminal as well as a first output terminal and a second output terminal;
 - the amplifying device having a first and a second device input terminal and a first and a second device output terminal;
 - the transforming device comprising:
 - a transformer with transformation ratio 1:n,
 - a primary winding with a first terminal and a second terminal,
 - a secondary winding with a first terminal and a second terminal,
 - the first device output terminal being coupled to a first terminal of the primary winding of the transformer,
 - the second device output terminal being coupled to the second terminal of the primary winding,
 - the first terminal of the secondary winding being coupled to the first output terminal, and

the second terminal of the secondary winding being coupled to the second output terminal;

a first resistor being connected between the second output terminal and the first device input terminal; and

a second resistor being coupled between the first output terminal and the second device input terminal;

wherein the transforming device is located in a feedback loop that couples the output of the amplifying device to the input of the amplifying device.

6. (previously presented): The broadband driver according to claim 5, wherein:
the first device input terminal is coupled to the first input terminal over a third resistor,
the second device input terminal is coupled to the second input terminal of the line driver over a fourth resistor,

a fifth resistor is connected between the first terminal of the secondary winding of the transformer and the first output terminal, and a sixth resistor is connected between the second terminal of the secondary winding of the transformer and the second output terminal,

a seventh resistor is connected between the first terminal of the secondary winding of the transformer and the first device input terminal and a eighth resistor is connected between the second terminal of the secondary winding of the transformer and the second device input terminal.

7. (previously presented): The broadband line driver according to claim 6, wherein the third resistor and the fourth resistor have substantially the same resistance value.

8. (previously presented): The broadband line driver according to claim 6, wherein the fifth resistor and the sixth resistor have substantially the same resistance value.

9. (previously presented): The broadband line driver according to claim 6, wherein the seventh resistor and the eighth resistor have substantially the same resistance value.

10. (previously presented): The broadband line driver according to claim 5, wherein the first resistor and the second resistor have substantially the same resistance value.

11-12. (canceled).